	Application No.	Applicant(s)
Notice of Allowability	10/731,018	IWASA, TAKAYUKI
	Examiner	Art Unit
	HOAN C. NGUYEN	2871
The MAILING DATE of this communication and I claims being allowable, PROSECUTION ON THE MERITS erewith (or previously mailed), a Notice of Allowance (PTOL-DTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT the Office or upon petition by the applicant. See 37 CFR 1.	IS (OR REMAINS) CLOSED in 85) or other appropriate commun RIGHTS. This application is su	this application. If not included nication will be mailed in due course. THIS
$oxed{\boxtimes}$ This communication is responsive to $\underline{\it RCE filed on 10/1}$	<u>2/2007</u> .	
☐ The allowed claim(s) is/are 6-10.		
Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents h 2. Certified copies of the priority documents h 3. Copies of the certified copies of the priority International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DAT noted below. Failure to timely comply will result in ABANDO THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ave been received. ave been received in Application documents have been received	n No in this national stage application from the
A SUBSTITUTE OATH OR DECLARATION must be su INFORMAL PATENT APPLICATION (PTO-152) which	ibmitted. Note the attached EXA gives reason(s) why the oath or	MINER'S AMENDMENT or NOTICE OF declaration is deficient.
CORRECTED DRAWINGS (as "replacement sheets") (a) ☐ including changes required by the Notice of Draftspan (b) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examin	person's Patent Drawing Review	
Paper No./Mail Date Identifying indicia such as the application number (see 37 CF each sheet. Replacement sheet(s) should be labeled as such	FR 1.84(c)) should be written on the	e drawings in the front (not the back) of
. DEPOSIT OF and/or INFORMATION about the de attached Examiner's comment regarding REQUIREME	eposit of BIOLOGICAL MATE	RIAL must be submitted. Note the
attachment(s) . ☑ Notice of References Cited (PTO-892)	5 □ Notice of Inf	ormal Patent Application
Notice of References Cited (P10-892) Notice of Draftperson's Patent Drawing Review (PTO-94)	<u> </u>	ummary (PTO-413),
☐ Information Disclosure Statements (PTO/SB/08),	Paper No./	Paper No./Mail Date 7. Examiner's Amendment/Comment
Paper No./Mail Date 1. Examiner's Comment Regarding Requirement for Deposit of Biological Material		
	sit 8. ⊠ Examiner's 9. ☐ Other	Statement of Reasons for Allowance

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DETAILED ACTION

Claims 1-5 and 11-15 have been cancelled.

Allowable Subject Matter

Claims 6-10 are allowed.

Reasons for Allowance

Claim 6 is allowed since there is no prior art teaches a reflective liquid crystal display comprising

- reflective pixel electrodes 30 provided for the respective pixels and having first openings 30a therebetween to be electrically isolated from one another;
- the reflective pixel electrodes for the respective pixels and having first portions 91, second portions 92, and second openings 28a, each second opening bound on one side by a respective first portion and on the other side by a respective second portion, the second openings electrically isolate isolating the first portions from the second portions (shown in new Figure 12), wherein the second openings do not face the first openings, and the light blocking metal films block at least part of light which is part of light which has transmitted through the transparent substrate and which has intruded into the light blocking metal films side through the first openings;
- light blocking metal-containing films 33 formed between the semiconductor substrate and the reflective pixel electrodes for the respective pixels and

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electrically isolated from one another, wherein the light blocking metal-containing films 33 are electrically connected to the first via holes Via3 and cover the second openings of the light blocking metal films 33 in order to prevent the light which has intruded into the light blocking metal films side through the first openings from reaching the switching elements through the second openings.

Claims 7-10 are allowed since they depend on the allowed claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Okuda et al. (US6593983B2) disclose a reflective liquid crystal display comprising reflective pixel electrode 32 having the opening and connecting to the reflecting layer 29; reflection preventing film 26 between reflective pixel electrode and the reflecting layer 29.

Cacharelis (US006437839B1) discloses a reflective liquid crystal display comprising reflective pixel electrode 214 having the opening and connecting to the reflecting layer 224.

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Yasukasa (US007158205B2) disclose a reflective liquid crystal display comprising reflective pixel electrode connecting to an auxiliary bonding wire and the reflecting layer 12 between reflective pixel electrode and an auxiliary bonding wire.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HOAN C. NGUYEN whose telephone number is (571) 272-2296. The examiner can normally be reached on MONDAY-THURSDAY:8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HOAN C. NGUYEN Examiner Art Unit 2871

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